

1962

Dr. R. E. Hall
Department of Veterinary Science
College of Agriculture
The University of Wisconsin
Madison 6, Wisconsin

Dear Dr. Hall:

Thank you for your letter of October 22, 1962 requesting information concerning the activities of the Animal Disease and Parasite Research Division in the field of parasitological research, which, it is our understanding, is to be used by Dr. A. C. Todd of the Department of Veterinary Science in reviewing contributions of the United States Department of Agriculture to knowledge in this important branch of animal disease research.

In accordance with your request we are attaching (1) a list of the scientific personnel of the Beltsville Parasitological Laboratory and their current research interests, and (2) a summary of the major accomplishments of the laboratory and its predecessor, the Zoological Division, in protozoology and helminthology, and in the control of protozoan and helminthic diseases. As you probably know, much of the Division's researches on diseases caused or carried by arthropod parasites is conducted at our laboratory in Albuquerque, New Mexico.

You will find a more detailed account of the early history of parasitological research in the United States Department of Agriculture in the book entitled "The Bureau of Animal Industry of the U. S. Department of Agriculture - Its Establishment, Achievements and Current Activities," 1924, by Dr. C. H. Houck, and other members of the Bureau Staff. 390 pp.

We are always happy to have the opportunity to bring to the attention of interested persons outside the Department the very significant contributions of the Department in this branch of animal science and we hope that the accompanying information will be suitable for the purpose for which it is desired. I can assure you that the Director of the Beltsville Parasitological Laboratory, Dr. A. O. Foster, and his staff are prepared to assist you in any way that they can.

Sincerely yours,

Director

Enclosures 2

ARS:ADP:JSAndrews:vjm 11-9-62

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BELTSVILLE PARASITOLOGICAL LABORATORY

PRINCIPAL INVESTIGATORS

Protozoological Investigations

Current Interest

Dr. L. A. Spindler, Leader	Sarcosporidiosis and related conditions
Anaplasmosis	
Dr. T. O. Roby, Project Leader	Life cycle of etiologic agent; diagnosis and control
Dr. D. M. Gates	Electronmicroscopy
Dr. T. E. Amerault	Serology
Mr. P. A. Madden	Basic nature and character of etiologic agent (fluorescent microscopy and related techniques)
Ovine and Swine Coccidiosis	
Dr. J. C. Lotze, Project Leader	Life history, mechanism of infection, pathogenicity, ecology and control
Mr. R. G. Leek	"
Poultry Parasites	
Dr. E. E. Wehr, Project Leader	Excystation of coccidia; control of protozoan parasites by immunological methods
Coccidiosis	
Miss Marion M. Farr	Life history, mechanism of infection, pathogenicity, ecology and control
Mr. J. L. Gardiner	Control by means of feed adjuvants
Histomoniasis	
Dr. E. E. Lund	Life history, mechanisms of infection, pathogenicity, ecology and control
Artificial Propagation of Protozoan Parasites	
Dr. E. Lesser, Project Leader	Artificial propagation of protozoan pathogens of livestock and poultry (now working on blackhead parasite)

Helminthological Investigations

Dr. John S. Andrews, Leader

Effects of internal helminth parasitism on nutrition of the host, biological control of helminth infections

Helminth Parasites of Cattle

Mr. John T. Lucker, Project Leader

The development of immunity to lungworms and Cysticercus bovis

Mr. Halsey H. Vegors

Ecology and epidemiology of cattle helminthiasis

Dr. Aaron Goldberg

Ecology and effects of diet on development of clinical and sub-clinical parasitism

Helminth Parasites of Sheep and Goats

Dr. James H. Turner, Project Leader

Development of immunity to helminth parasites of sheep and control of internal parasites by flock and pasture management

Mr. Grant I. Wilson

Serology and immunology to internal parasites, particularly to the thread lungworm

Helminth Parasites of Swine

----- Project Leader

Dr. D. A. Shorb

Lipoid chemistry of helminth parasites; oesophagostomiasis

Mr. C. H. Hill

Sylvatic hosts of Trichinella spiralis and trichuriasis

Helminth Parasites of Poultry

Dr. E. E. Wehr, Project Leader
(See also Protozoological Investigations - Poultry Parasites)

Biological and chemotherapeutic control of helminth parasites, and estimation of production losses caused by helminths

Dr. J. C. Hwang

Hematology of helminthiasis of poultry and related birds

Antiparasitic Investigations

Dr. F. D. Enzie, Leader

Biological and Chemotherapeutic control of parasites and parasitic diseases of domestic animals

Mr. M. L. Colglazier

Chemotherapy of internal parasitism
in domestic animals

Immunological Research

Dr. F. G. Tromba, Project Leader

Dr. F. W. Douvres

Dr. A. A. Holbrook

Mechanism of the development of
immunity to helminthic infections
Axenic cultivation of the parasitic
stages of helminths and the de-
velopment of immunity to helminth
infections
Serology of parasitic infections

Antiprotozoan Research

Dr. D. K. McLoughlin, Project Leader Chemotherapy of blackhead, coccidio-
sis, and trichomoniasis of
poultry and trichomoniasis of cattle

Chemical and Physical Investigations

Dr. L. A. Baisden, Leader

Dr. J. Rose

Agar-gel diffusion and immuno-
electrophoresis of swine kidney
worm antigen
Density-gradient fractionation of
swine kidney worm antigen in the
ultra centrifuge and purification
of the antigen used in the c/f
test for anaplasmosis

Cytological Investigations

Dr. W. T. Shalkop, Leader

Dr. David J. Doran

Improvement of methods for diagnosis
of tissue-invading parasites includ-
ing the establishment of organ
cultures for pathophysiological
studies of host-parasite relation-
ships
The application of tissue culture
techniques to helminth and
protozoan parasites

Parasite Classification and Distribution
Investigations

Dr. A. McIntosh, Leader

Mr. W. W. Becklund
Mrs. M. B. Chitwood

Zoological Nomenclature, Identification,
and classification of helminths and
other parasites
Identification of ruminant parasites
Identification of nematodes, par-
ticularly those invading tissue, and
their pathological significance

Dr. G. B. LaRue**

Trematode taxonomy

** Retired, but is available for consultation

Index-Catalogue of Medical and Veterinary Zoology

Miss Judith M. Humphrey, Project Leader

World's parasitological
literature in 32 languages

Miss Mildred A. Doss***

Preparing Subject Index
(Trematodes) for publication

*** N.I.H. Grantee, sponsored by University of Maryland